B1

In a generic embodiment of the invention illustrated in FIG. 4, a 5-phase stator winding 46 is wound onto 60 slot/tooth ring 40 by winding an enameled copper wire 48 beginning at S1 and winding around five stator teeth 44, then advancing 5 stator teeth and winding around the next five stator teeth and repeating this pattern until all the stator teeth are wound, completing one phase, and the wire is brought out at F1. A second phase of the 5-phase windings is similarly wound beginning at S2 which is two stator slots advanced from the beginning winding of the first set of 5-phase windings, S1, finishing at F2. A third phase of the 5-phase winding is similarly wound beginning at S3 which is two stator slots advanced from the beginning winding of the second set of 5-phase windings, S2, finishing at F3. A fourth phase of the 5-phase winding is similarly wound beginning at S4 which is two stator slots 42 advanced from the beginning winding of the third set of 5-phase windings, S3, finishing at F4. And a fifth phase of the 5-phase winding is similarly wound beginning at S5 which is two stator slots 42 advanced from the beginning winding of the fourth set of 5-phase windings, S4, finishing at F5.

In The Claims:

Amend claims 1, 3, 7, 8 and 9 as follows:

B2

1. (Amended) An alternating current (AC) generator comprising:

a casing defining an accommodation space therein;

a stator assembly supported in said accommodation space in said casing;

said stator assembly including stator slots/teeth and a 5-phase winding without any other winding distributed through and among said stator teeth;

a rotor assembly including a plurality of pairs of opposed pole members, defining rotor pole pairs, rotatably disposed inside said stator assembly;

said pairs of pole members configured for energization in opposite magnetic polarity; and

a plurality of rectifiers to rectify output voltages generated by the 5-phase winding.